Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/31/2017 10:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124556	-1	1.77	124419	1.74
Blue	F	SSC	125000	123058	-2	3.64	123539	3.51
Blue	E	FITC	23355	22674	-3	2.60	1011	10.30
Blue	D	PE	28848	28154	-3	2.12	1011	9.91
Blue	B	PerCP-Cy5-5	47791	46875	-2	3.58	1340	16.72
Blue	A	PE-Cy7	41358	40749	-2	5.14	629	34.96
Red	C	APC	51316	50651	-2	2.77	2918	9.49
Red	A	APC-Cy7	53225	52641	-2	2.78	1092	11.17
Violet	B	V450	14473	13711	-6	3.56	658	8.95
Violet	A	V500	59973	58405	-3	3.23	2597	6.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19354	2.75	607	9	N/A	N/A	Pass
Blue	F	SSC	61295	1.98	536	2	N/A	N/A	Pass
Blue	E	FITC	112	38.37	542	-2	0.0205	112	Pass
Blue	D	PE	221	28.41	537	-1	0.1505	192	Pass
Blue	B	PerCP-Cy5-5	212	43.55	627	-3	0.0104	74	Pass
Blue	A	PE-Cy7	68	116.90	678	-3	0.0123	15	Pass
Red	C	APC	342	27.14	592	-2	0.0200	28	Pass
Red	A	APC-Cy7	120	39.92	571	-5	0.0056	1574	Pass
Violet	B	V450	79	43.24	477	6	0.0444	1932	Pass
Violet	A	V500	188	21.55	509	8	0.0127	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.13	-31.59	0.83
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.61	13.27 - 19.91	N/A	N/A	31.56	32.04	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 12916

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments